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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if KnownSheet 1 of 6

Application Number	10/599,495
Filing Date	September 29, 2006
First Named Inventor	Jeffrey Moe
Art Unit	3644
Examiner Name	tbd
Attorney Docket Number	G137 1020.1 (70.2)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US- 202,634	04-23-1878	S. Connor	
	2.	US- 1,446,531	02-27-1923	J.M. Williams, Jr.	
	3.	US- 2,129,824	09-13-1938	A.P. De Seversky	
	4.	US- 2,176,461	10-17-1939	V.A. Larsen	
	5.	US- 2,180,462	11-21-1939	A.P. De Seversky	
	6.	US- 3,363,126	11-21-1944	A.C. Gibson	
	7.	US- 2,406,710	08-27-1946	W.M. Riggles, Jr.	
	8.	US- 2,652,214	09-15-1953	R.C. Cussons	
	9.	US- 2,719,016	09-27-1955	H.E. Wicks	
	10.	US- 2,747,817	05-29-1956	R. Saulnier	
	11.	US- 4,027,836	06-07-1977	Seibel	
	12.	US- 5,058,827	10-22-1991	Dansereau et al	
	13.	US- 5,104,063	04-14-1992	Harley	
	14.	US- 5,156,353	10-20-1992	Gliebe et al	
	15.	US- 5,209,434	05-11-1993	Lo Presti et al	
	16.	US- 5,269,481	12-14-1993	Derrien	
	17.	US- 5,478,030	12-26-1995	Derrien et al	
	18.	US- 5,749,546	05-12-1998	Blackner et al	
	19.	US- 6,032,090	02-29-2000	von Bose	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	1.	CA2223543	06-06-1998	Airbus UK Limited, GB		
	2.	DE69715787	02-13-2003	Airbus UK Limited, GB		
	3.	EP1340676	06-01-2005	Messier-Dowty SA		
	4.	EP1067045	10-01-2001	British Aerospace PLC		
	5.	EP1192077	08-04-2004	Airbus UK Limited		
	6.	EP846540	06-10-1998	British Aerospace PLC		

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Sheet 2 of 6**Complete if Known**

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	20.	US- 6,048,477	04-11-2000	Thorpe et al	
	21.	US- 6,173,920	01-16-2001	Meneghetti	
	22.	US- 6,454,219	09-24-2002	Moe	
	23.	US- 6,457,680	10-01-2002	Dobrzynski et al	
	24.	US- 6,619,587	09-16-2003	Chow et al	
	25.	US- 6,786,451	09-07-2004	Courtois et al	
	26.	US- 2003/0102406	06-05-2003	Chow et al	
	27.	US- 2003/0152145	08-14-2003	Kawakita	
	28.	US- 2003/0225492	12-04-2003	Cope et al	
	29.	US- 2004/0040797	03-04-2004	Plude et al	
	30.	US- 2004/0104301	06-03-2004	Wickerhoff et al	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	7.	ES2179282	06-10-1998	Airbus UK Limited		
	8.	FR2836667	07-02-2004	Messier-Dowty SA		
	9.	GB2,319,981	08-15-2001	BAE Systems PLC		
	10.	GB494,542	10-27-1938	Blume		
	11.	GB534,522	03-10-1941	Reid		
	12.	GB745,965	03-07-1956	Blackburn & General Aircr		

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		Art Unit	3644		
		Examiner Name	tbd		
Sheet	4	of	6	Attorney Docket Number	G137 1020.1 (70.2)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	Ahuja K.K., Martin, J., Miller B., & Gu X., "On Automobile Antenne and Roof Rack Noise Control," AIAA 93-4398, 15th AIAA Aeroacoustics Conference, Long Beach, CA, 10/25-27/93	
	2.	Carter, Guillot, Ng & Copenhaver, "Aerodynamic Performance of a High-Turning Compressor Stator with Flow Control," AIAA 37th Joint Propulsion Conf., 2001, Salt Lake City, Utah	
	3.	Davy, R. & Remy, H., "Airframe Noise Characteristics of a 1/11 Scale Airbus Model", 4th AIAA/CEAS Aeroacoustics Conf., 6/2-4/98, Toulouse, France	
	4.	Dobrzynski W. & Buchholz H., Full-Scale Noise Testing on Airbus Landing Gears in the German Dutch Wind Tunnel, 3rd AIAA/CEAS Aeroacoustics Conf, Paper 97-1597, 5/12-14/97	
	5.	Dobrzynski W., Chow L.C., Guion P., & Shiells D., A European Study on Landing Gear Airframe Noise Sources, 5th AIAA/CEAS Aeroacoustics Conference & Exh., 6/12-14/00	
	6.	Fink M.R., Airframe Noise Prediction Methods, FAAA-RD-77-29, 1977	
	7.	Fink, Martin R. & Bailey, D.A., Model Test of Airframe Noise Reduction Concepts, AIAA 6th Aeroacoustics Conf, 6/4-6/80, Hartford, CT	
	8.	Hardin, Jay C., Toward a Comprehensive Analysis of Landing Approach Noise Sources, AIAA-97-1593-CP, 1997	
	9.	Hayes, Julie A.; Horne, W. Clifton; Soderman, Paul T. & Bent, Paul H., Airframe noise characteristics of a 4.7% scale DC-10 model, AIAA-97-1594-CP	
	10.	Heidelberg, L.J., Hall, D.G., Bridges, J.E., & Nallasamy, M., A Unique Ducted Fan Test Bed for Active Noise Control and Aeroacoustics Research, CEAS/AIAA-96-1740, May 1996	

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	11.	Heller, Hanno H. & Dobrzynski, Werner M., Sound Radiation From Aircraft Wheel-Well/Landing-Gear Configurations, Journal of Aircraft, vol. 14, no.8, 1977	
	12.	Heller, Hanno H. & Dobrzynski, W.M., Unsteady Pressure Characteristics on Aircraft Components and Far-field Radiated Airframe Noise, Journal of Aircraft, vol. 15, #12, 12/1978	
	13.	Jaeger, S.M., 777 Landing Gear Acoustics: Even More Preliminary Acoustic Results, NASA AST-QAT 4th Airframe Noise	
	14.	Konstadinopoulos, P., Mook, D.T., & Nayfeh, A.H. (1981), A Numerical Method for General Unsteady Aerodynamics, AIAA Atmospheric Flight Mechanics Conf, 1981	
	15.	Konstadinopoulos, P., Thrasher, D.F., D.T. Mook, Nayfeh, A.H., & Watson, L.(1985), A Vortex-Lattice Method for General, Unsteady Aerodynamics, Journal of Aircraft, 22(1),43-49	
	16.	Larssen J.V. & Devenport W.J., Acoustic Properties of the Virginia Tech Stability Wind Tunnel, Dept of Aerospace & Ocean Eng, VA Tech, Rpt VPI-AOE 263,1999	
	17.	Macaraeg M.G., Fundamental Investigation of Airframe Noise, NASA Langley Research Center Report, 1998	
	18.	Miller, Wendell R.; Meecham, William C. & Ahtye, Warren F., Large Scale Model Measurements of Airframe Noise Using Cross-Correlation Techniques, J.Acoust. Soc. Am. 71(3), 3/82	
	19.	Munson A.G., A Modeling Approach to Nonpropulsive Noise, AIAA 76-525, 1976	
	20.	Piet, Jean-Francois & Elias Georges, Airframe Noise Source Localization Using a Microphone Array, AIAA-97-1643-CP	

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	21.	Preidikman, S. Numerical Simulations of Interactions Among Aerodynamics, Structural Dynamics, and Control Systems, PhD thesis, VA Polytechnic Inst. & State Univ., 1998	
	22.	Rao, W.M., Feng, J., Burdisso, R.A., Wg, W.F., Experimental Demonstration of Active Flow Control to Reduce Unsteady Stator-Rotor Interaction, AIAA J., vol.39, #3, 3/2001, pp458-64	
	23.	Stoker, R.W. & Sen, R., An Experimental Investigation of Airframe Noise Using a Model-Scale Boeing 777, AIAA-2001-0987, 39th AIAA Aerospace Sciences Mtg & Exh, 1/8/01, Reno, NV	
	24.	Stoker, R.W., Recent Airframe Noise Testing Done by Boeing, Presented at the NASA AST-QAT 4th Airframe Noise Workshop, 12/2000	
	25.	Stoker, R.W., Underbrink, J.R. & Neubert, F.R., Investigations of Airframe Noise in Pressurized Wind Tunnel, AIAA-2001-2107, 7th AIAA/CEAS Aeroacoustics Conf, 5/28/01, NL	
	26.	Willshire, W.L., Jr. & Garber, D.P., Advanced Subsonic Transport Approach Noise - The Relative Contribution of Airframe Noise, NASA Tech Memo 104112, 6/1992	

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